



Qualys CloudView 1.23, Cloud Platform 3.11.1 API Release Notes

June 03, 2022

We are now launching one centralized place for you to create connectors needed for AssetView and CloudView, a new application named “Connectors”. We are introducing new APIs in Asset Management and Tagging application that can be used as new centralized APIs for AssetView and CloudView connectors.

All the new APIs for connectors belong to version 3. The existing AssetView connector APIs (version 2) continue to work without any change. However, we plan to deprecate those version 2 APIs in the coming months. The CloudView APIs will be deprecated with this release. We recommend you use the new APIs (version 3) for both AssetView and CloudView connectors. The Asset Management and Tagging APIs (version 3) will be available to use after CloudView 1.23 release.

Additionally, the new version of CloudView brings the following changes.

- CloudView Access Management Group APIs will be deprecated and instead users can use Qualys Tag APIs in Asset Management and Tagging application. For more information, refer to [Asset Management & Tagging API User Guide](#).
- CloudView is also supporting on-screen report generation for Build Time control evaluations.

You’ll find all the details in our user guides, available at the time of release. Just log in to your Qualys account and go to Help > Resources.

What’s New

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Qualys API Server URL

The Qualys API URL you should use for API requests depends on the Qualys platform where your account is located.

[Click here](#) to identify your Qualys platform and get the API URL

Deprecating AWS APIs

Listed below are the CloudView connector APIs to be deprecated for AWS. Additionally, the corresponding new APIs are also mentioned.

Name of Depreciated API	Deprecated API	Name of New API	Path of the New API
Create AWS Connector	/cloudview-api/rest/v1/aws/connectors	Create AWS Connector	/qps/rest/3.0/create/am/awsassetdataconnector
Update AWS Connector	/cloudview-api/rest/v1/aws/connectors/{connectorId}	Update AWS Connector	/qps/rest/3.0/update/am/awsassetdataconnector
Enable AWS connector	/cloudview-api/rest/v1/aws/connectors/enable		/qps/rest/3.0/update/am/awsassetdataconnector/<id>
Disable AWS connector	/cloudview-api/rest/v1/aws/connectors/disable		
Delete AWS connector	/cloudview-api/rest/v1/aws/connectors	Delete AWS Connector	/qps/rest/3.0/delete/am/awsassetdataconnector /qps/rest/3.0/delete/am/awsassetdataconnector/<id>
Run AWS connector	/cloudview-api/rest/v1/aws/connectors/run	Run AWS Connector	/qps/rest/3.0/run/am/awsassetdataconnector /qps/rest/3.0/run/am/awsassetdataconnector/<id>
Download AWS CloudFormation template	/cloudview-api/rest/v1/aws/connectors/aws/download	Download AWS CloudFormation Template	/qps/rest/3.0/download/am/awscloudformationemplate

Existing and Alternate AWS APIs

You can fetch information for connectors in CloudView application using the CloudView GET APIs. Once you merge the connectors with the Connector application, then you can use either of the following APIs:

- Existing CloudView APIs: Use to fetch information on CloudView connectors before the connectors are merged with the Connector application. Once the connectors are merged with the Connector application, the user can use Connector UUID in CloudView APIs to fetch cloud inventory.

-New Asset Management and Tagging APIs: Use to fetch information on connectors after the connectors are merged with the Connector application. Use Connector ID to fetch asset inventory information..

Connectors in CloudView App		Connectors in Connector App	
Name of Existing APIs	API Path	Name of New APIs	Path of the New API
Get list of AWS connectors	/cloudview-api/rest/v1/aws/connectors	Get AWS Connector Info	/qps/rest/3.0/get/am/awsassetdataconnector/<id>
Get the details of connectors	/cloudview-api/rest/v1/aws/connectors	Search AWS Connector	/qps/rest/3.0/search/am/awsassetdataconnector
Get all errors of AWS connector	/cloudview-api/rest/v1/aws/connectors/{connectorId}	Get All Errors of AWS Connector	/qps/rest/3.0/search/am/assetdataconnectorerrors
Get AWS Base Account Id	/cloudview-api/rest/v1/aws/connectors/awsBaseAccountId	Get AWS Base Account Id	/qps/rest/2.0/search/am/awsaauthrecord /qps/rest/2.0/get/am/awsauthrecord/<id>

Get AWS Connector Info

Alternative API	/qps/rest/3.0/get/am/awsassetdataconnector/<id>
New or Updated APIs	Updated
Operator	GET
Deprecated API	/cloudview-api/rest/v1/aws/connectors

We will now deprecate the old CloudView API endpoint for 'Get AWS connector Info' and an alternative API will be introduced in the Asset Management application. You can select whether the 'Get AWS Connector Info' API applies to AssetView and/or CloudView in the Connector application.

Permissions required - Managers with full scope.

Sample: Fetch the asset data connector with the ID 179407

```
curl -n -u "USERNAME:PASSWORD"
"https://qualysapi.qualys.com/qps/rest/3.0/get/am/awsassetdataconnector/ 179407"
```

Create AWS Connector

Alternative API	/qps/rest/3.0/create/am/awsassetdataconnector
New or Updated APIs	Updated
Operator	POST
Deprecated API	/cloudview-api/rest/v1/aws/connectors

We will now deprecate the CloudView API endpoint for 'create AWS connectors' and an alternative API is introduced in the Asset Management and Tagging application. During connector creation process, you can now choose the applications to be associated with the connector. Currently, we support AssetView and CloudView applications.

Permissions required - Managers with full scope.

Input Parameters

Parameters	Description
name	Name of the connector you want to create.
description	Description of the connector you want to create.
defaultTags	(TagSimpleQList) Tags applied to any asset discovered by the connector.

Parameters	Description
activation	(List<ActivationModule>) Assets discovered by the connector can be activated for the modules specified.
authRecord	(AWSAuthRecordSimple) The AWS authentication records the connector used to connect to AWS.
serviceType	Type of AWS service - EC2.
allRegions	(boolean) If true, the end point's collection is ignored an all AWS regions are scanned.
disabled	(boolean) Whether execution of the connector is disabled (YES). If disabled, the connector does not synchronize assets.
arn	Generated by AWS. Ensure that you provide the same ARN that is generated by AWS.
externalId	Random string which is unique for each user.
runFrequency	runFrequency for a connector decides the rate at which the connector should poll the cloud provider and fetch the data. Specified in minutes.
isRemediationEnabled	A flag to enable or disable remediation for the connector.
connectorAppInfos	It holds the list of list of ConnectorAppInfo which includes App Name, identifiers and tag details. Connector can one or more apps from list [AI, CI, CSA].

Sample: Create a new connector

Create connector when you already have the ARN generated from your AWS account.

API request:

```
curl -u "USERNAME:PASSWORD" -H "Content-type: text/xml" -X "POST" -- databinary
@- "https://qualysapi.qualys.com/qps/rest/3.0/create/am/
awsassetdataconnector" < file.xml
```

Note: file.xml contains request POST data

Request POST data (XML):

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceRequest>
  <data>
    <AwsAssetDataConnector>
      <name>AWSConnector60713 15-03_2022 9513863789785</name>
      <arn>arn:aws:iam::XXXXXXXXXXXX:role/AVEUPOD2</arn>
      <externalId>1655453577753</externalId>
      <allRegions>true</allRegions>
      <disabled>>false</disabled>
```

```
<description>Connector created through API automation</description>
<connectorAppInfos>
  <set>
    <ConnectorAppInfoQList>
      <set>
        <ConnectorAppInfo>
          <name>AI</name>
</set>
</ConnectorAppInfoQList>
</set>
</connectorAppInfos>
</AwsAssetDataConnector>
</data>
</ServiceRequest>
```

Request POST data(JSON):

```
{
  "ServiceRequest": {
    "data": {
      "AwsAssetDataConnector": {
        "name": "AWSConnector60713 15-03_2022 9513863789785",
        "arn": "arn:aws:iam::XXXXXXXXXXXX:role/AVEUPOD2",
        "externalId": 165545357753,
        "allRegions": true,
        "disabled": false,
        "description": "Connector created through API automation",
        "connectorAppInfos": {
          "set": {
            "ConnectorAppInfoQList": [
              {
                "set": {
                  "ConnectorAppInfo": [
                    {
                      "name": "AI",
                      "identifier": "arn:aws:iam::XXXXXXXXXXXX:role/Sample_test",
                      "tagId": 8550229
                    },
                    {
                      "name": "AI",
```

```

    "identifier": "arn:aws:iam::XXXXXXXXXXXX:role/Sample_test",
    "tagId": 7533412
  }
]
}
},
{
  "set": {
    "ConnectorAppInfo": [
      {
        "name": "CI",
        "identifier": "arn:aws:iam::XXXXXXXXXXXX:role/Sample_test",
        "tagId": 8550229
      },
      {
        "name": "CI",
        "identifier": "arn:aws:iam::XXXXXXXXXXXX:role/Sample_test",
        "tagId": 7533412
      }
    ]
  }
}
]
}
},
"runFrequency": 240,
"isRemediationEnabled": true
}
}
}
}
}

```

Update AWS Connector

API	/qps/rest/3.0/update/am/awsassetdataconnector \qps/rest/3.0/update/am/awsassetdataconnector/<id>
New or Updated APIs	Updated
Operator	POST
Deprecated API	/cloudview-api/rest/v1/aws/connectors/{connectorId}

We will now deprecate the API endpoint to update writable fields and collections of the AWS connector from CloudView and introduce an alternative API to the Asset Management application.

The update API can also be used to enable/disable your AWS connector.

Permissions required - Managers with full scope.

Input Parameters

Parameters	Description
name	The ID of the connector that you want to update.
description	Name of the connector you want to update.
defaultTags	(TagSimpleQList) Tags applied to any asset discovered by the connector.
activation	(List<ActivationModule>) Assets discovered by the connector is activated for the modules specified.
allRegions	(boolean) If true, the end point's collection is ignored and all the AWS regions scanned.
disabled	(boolean) Whether execution of the connector is disabled (YES). If disabled, the connector does not synchronize assets.
arn	Generated by AWS. Ensure that you provide the same ARN that is generated by AWS.
externalId	Random string which is unique for each user.
runFrequency	runFrequency for a connector decides the rate at which the connector should poll the cloud provider and fetch the data. Specified in minutes.
isRemediationEnabled	A flag to enable or disable remediation for the connector.
connectorAppInfos	It holds the list of list of ConnectorAppInfo which includes App Name, identifiers and tag details. Connector can one or more apps from list [AI, CI, CSA].

Sample: Update AWS connector name

Change the name of an asset data connector with ID of 12345, add a tag with the ID of 1 to the defaultTags collection, and add us-east-1 as scanned region.

API request:

```
curl -u "USERNAME:PASSWORD" -H "Content-type: text/xml" -X "POST" --
data-binary @-
"https://qualysapi.qualys.com/qps/rest/3.0/update/am/awsassetdataconne
ctor/12345" < file.xml
```

Note: file.xml contains request POST data

Request POST data(XML):

```
<?xml version="1.0" encoding="UTF-8"?>
```

```
<ServiceRequest>
  <data>
    <AwsAssetDataConnector>
      <name>Updated Name</name>
      <defaultTags>
        <set>
          <TagSimple>
            <id>123489465</id>
          </TagSimple>
        </set>
      </defaultTags>
      <endpoints>
        <add>
          <AwsEndpointSimple>
            <regionCode>us-east-1</regionCode>
          </AwsEndpointSimple>
          <AwsEndpointSimple>
            <regionCode>me-south-1</regionCode>
          </AwsEndpointSimple>
        </add>
      </endpoints>
    </AwsAssetDataConnector>
  </data>
</ServiceRequest>
```

Request POST data(JSON):

```
{
  "ServiceRequest": {
    "data": {
      "AwsAssetDataConnector": {
        "name": "Updated Name",
        "defaultTags": {
          "set": {
            "TagSimple": {
              "id": 123489465
            }
          }
        },
        "endpoints": {
          "add": {
            "AwsEndpointSimple": [
              {
                "regionCode": "us-east-1"
              },
              {
                "regionCode": "me-south-1"
              }
            ]
          }
        }
      }
    }
  }
}
```

```
}  
  }  
}
```

Search AWS Connector

API	/qps/rest/3.0/search/am/awsassetdataconnector
New or Updated APIs	Updated
Operator	POST
Deprecated API	/cloudview-api/rest/v1/aws/connectors

We will now deprecate the API endpoint to return a list of AWS connectors that match the provided criteria from the CloudView application and introduce an alternative in the Asset Management application.

Limit your results - Narrow down your search results using the parameters listed below.

Pagination - A maximum of 100 instances are returned by default. To customize this specify a "preferences" tag in the POST body of your request.

Input Parameters

Parameter	Description
id	The ID of the connector that you want to search.
name	Name of the connector you want to search.
description	Description of the connector you want to search.
lastSync	Last sync date of the connector.
lastError	Last error date of the connector.
connectorState	State of the connector. States include PENDING, SUCCESS, ERROR, QUEUED, RUNNING, PROCESSING, FINISHED_SUCCESS, FINISHED_ERRORS, DISABLED, INCOMPLETE.
activation	Activation of Qualys modules. Includes VM, PC, SCA, CERTVIEW.
defaultTags.name	The name of a tag in the defaultTags collection.
defaultTag	(Integer) The ID of a tag in the defaultTags collection.
allRegions	Whether all regions should be selected.
serviceType	Type of AWS service - EC2.
endpoint.region	AWS region code.
authRecord	(Integer) The ID of the authentication record.
authRecord.name	(Integer) The ID of the authentication record.
disabled	(Boolean) Whether execution of the connector is disabled(YES). If disabled, the connector does not synchronize assets.
appCapability.name	Connector application capability name.
appCapability.tag.name	Tag name associates with connector identifier.

Sample: Find all asset data connectors with tag name USA

API request:

```
curl -u "USERNAME:PASSWORD" -H "content-type: text/xml" -X "POST" --
data-binary @-
"https://qualysapi.qualys.com/qps/rest/3.0/search/am/awsassetdataconnector"
< file.xml
```

Note: file.xml contains request POST data

Request POST data(XML):

```
<?xml version="1.0" encoding="UTF-8"?>
```

```
<ServiceRequest>
  <filters>
    <Criteria field="defaultTags.name" operator="EQUALS">USA</Criteria>
  </filters>
</ServiceRequest>
```

Request POST data (JSON):

```
{
  "ServiceRequest": {
    "filters": {
      "Criteria": [
        {
          "field": "defaultTags.name",
          "operator": "EQUALS",
          "value": "USA"
        }
      ]
    }
  }
}
```

Get All Errors of AWS Connector

API	/qps/rest/3.0/search/am/assetdataconnectorerrors
New or Updated APIs	Updated
Operator	GET
Deprecated API	/cloudview-api/rest/v1/aws/connectors/{connectorId}

We will now deprecate the API endpoint to retrieve all errors of the AWS connector from the CloudView application and introduce an alternative API in the Asset Management application.

Permissions required - Managers with full scope.

Sample: Get all errors of connector

API request:

```
curl -u "USERNAME:PASSWORD" -H "Content-type: application/json" -H "Accept: application/json" -X "POST" --data-binary @- "https://qualysapi.qualys.com/qps/rest/3.0/search/am/assetdataconnectorerrors" < file.xml
```

Note: file.xml contains request POST data

Request POST data(XML):

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceRequest>
  <filters>
    <Criteria field="id" operator="EQUALS">167405</Criteria>
  </filters>
</ServiceRequest>
```

Request POST data(JSON):

```
{
  "ServiceRequest": {
    "filters": {
      "Criteria": [
        {
          "field": "id",
          "operator": "EQUALS",
          "value": "167405"
        }
      ]
    }
  }
}
```

Get AWS Base Account Id

API	/qps/rest/2.0/search/am/awsauthrecord /qps/rest/2.0/get/am/awsauthrecord/<id>
New or Updated APIs	Updated
Operator	GET
Deprecated API	/cloudview- api/rest/v1/aws/connectors/{connectorId}

We will now deprecate the API endpoint to retrieve base aws account details and introduce new APIs. you can retrieve the base account details either by searching for name or id.

Permissions required - Managers with full scope.

Sample: Get Base Account with Name

API request:

```
curl -u "USERNAME:PASSWORD" -H "content-type: text/xml" -X "POST" --
data-binary @-
"https://qualysapi.qualys.com/qps/rest/2.0/search/am/awsauthrecord" <
```

file.xml

Note: file.xml contains request POST data

Request POST data(JSON):

```
<?xml version="1.0" encoding="UTF-8" ?>
<ServiceRequest>
  <filters>
    <Criteria field="name" operator="CONTAINS">Simple</Criteria>
  </filters>
</ServiceRequest>
```

Sample: Get Base Account with ID

API request

```
curl -n -u "USERNAME:PASSWORD"
"https://qualysapi.qualys.com/qps/rest/2.0/get/am/awsauthrecord/<id>"
```

Delete AWS Connector

API	/qps/rest/3.0/delete/am/awsassetdataconnector /qps/rest/3.0/delete/am/awsassetdataconnector/ <id>
New or Updated APIs	Updated
Operator	DELETE
Deprecated API	/cloudview-api/rest/v1/aws/connectors

We will now deprecate the API endpoint to delete one or more AWS connectors from the CloudView application and introduce an alternative API in the Asset Management application.

Permissions required - Managers with full scope.

Sample: Delete a single AWS connector 12345

API request:

```
curl -n -u "USERNAME:PASSWORD"
"https://qualysapi.qualys.com/qps/rest/3.0/delete/am/awsassetdataconne
ctor/12345"
```

Sample 2: Delete several AWS connectors tagged with the 'Outdated' tag

API request:

```
curl -u "USERNAME:PASSWORD" -H "content-type: text/xml" -X "POST" --
data-binary @-
```

"https://qualysapi.qualys.com/qps/rest/3.0/delete/am/awsassetdataconnector" < file.xml

Note: file.xml contains request POST data

Request POST data(XML):

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceRequest>
  <filters>
    <Criteria field="tagName" operator="EQUALS">Outdated</Criteria>
  </filters>
</ServiceRequest>
```

Request POST data(JSON):

```
{
  "ServiceRequest": {
    "filters": {
      "Criteria": [
        {
          "field": "activation",
          "operator": "EQUALS",
          " tagName": "Outdated"
        }
      ]
    }
  }
}
```

Run AWS Connector

API	/qps/rest/3.0/run/am/awsassetdataconnector /qps/rest/3.0/run/am/awsassetdataconnector/<id>
New or Updated APIs	Updated
Operator	POST
Deprecated API	/cloudview-api/rest/v1/aws/connectors/run

We will now deprecate the API endpoint to run one or more AWS connectors from the CloudView application and introduce an alternative API in the Asset Management application. The connectors may be run immediately or queued to run when there is capacity. The response will almost always indicate that the connector is pending. Use GET calls to monitor the status of connectors.

Permissions required - Managers with full scope.

Sample: Run AWS connector

API request:

```
curl -n -u "USERNAME:PASSWORD"  
"https://qualysapi.qualys.com/qps/rest/3.0/run/am/assetdataconnector/<id>"
```

Download AWS CloudFormation Template

API	/qps/rest/3.0/download/am/awscloudformationtemplate
New or Updated APIs	Updated
Operator	GET
Deprecated API	/cloudview-api/rest/v1/aws/connectors/aws/download

Returns a AWS CloudFormation template based on AI or CI/CSA capability.

Permissions required - Managers with full scope.

Sample: Download AWS CloudFormation template for AI

API request:

```
curl -n -u "USERNAME:PASSWORD"  
"https://qualysapi.qualys.com/qps/rest/3.0/download/am/awscloudformationtemplate"  
"
```

Request POST data(JSON):

```
{  
  "ServiceRequest": {  
    "data": {  
      "AwsCloudformationTemplate": {  
        "awsCloudType": "Global",  
        "externalId": "p11-1234-12129126127",  
        "capability": "AI"  
      }  
    }  
  }  
}
```

Deprecating Azure APIs

Listed below are the CloudView connectors to be deprecated for Azure. Additionally, the respective alternative APIs and their sample requests are also mentioned.

Name of Deprecated API	Deprecated API	Name of Alternative API	Alternative API
Create Azure Connector	/cloudview-api/rest/v1/azure/connectors	Create Azure Connector	/qps/rest/3.0/create/am/azureassetdataconnector
Update Azure Connector	/cloudview-api/rest/v1/azure/connectors/{connectorId}	Update Azure Connector	/qps/rest/3.0/update/am/azureassetdataconnector
Enable Azure connectors	/cloudview-api/rest/v1/azure/connectors/enable		/qps/rest/3.0/update/am/azureassetdataconnector/<id>
Disable Azure connectors	/cloudview-api/rest/v1/azure/connectors/disable		
Delete Azure connectors	/cloudview-api/rest/v1/azure/connectors	Delete Azure Connector	/qps/rest/3.0/delete/am/azureassetdataconnector
			/qps/rest/3.0/delete/am/azureassetdataconnector/<id>
Run Azure connector	/cloudview-api/rest/v1/azure/connectors/run	Run Azure Connector	/qps/rest/3.0/run/am/azureassetdataconnector
			/qps/rest/3.0/run/am/azureassetdataconnector/<id>

Existing and Alternate Azure APIs

You can fetch information for connectors in CloudView application using the CloudView GET APIs. Once you merge the connectors with the Connector application, then you can use either of the following APIs:

- **Existing CloudView APIs:** Use to fetch information on CloudView connectors before the connectors are merged with the Connector application. Once the connectors are merged with the Connector application, the user can use Connector UUID in CloudView APIs to fetch cloud inventory.

- **New Asset Management and Tagging APIs:** Use to fetch information on connectors after the connectors are merged with the Connector application. Use Connector ID to fetch asset inventory information..

Connectors in CloudView App		Connectors in Connector App	
Name of Existing APIs	API Path	Name of New APIs	Path of the New API
Get list of Azure connectors	/cloudview-api/rest/v1/azure/connectors	Get Azure Connector Info	/qps/rest/3.0/get/am/azureassetdataconnector/<id>
Get the details of connectors	/cloudview-api/rest/v1/azure/connectors/{connectorId}	Search Azure Connector	/qps/rest/3.0/search/am/azureassetdataconnector
Get all errors of Azure connector	/cloudview-api/rest/v1/azure/connectors/{connectorId}/errors	Get All Errors of Azure Connector	/qps/rest/3.0/search/am/assetdataconnectorerrors

Get Azure Connector Info

Alternative API	/qps/rest/3.0/get/am/azureassetdataconnector/<id>
New or Updated APIs	Updated
Operator	GET
Deprecated API	/cloudview-api/rest/v1/azure/connectors

We will now deprecate the old CloudView API endpoint for 'Get Azure connector Info' and an alternative API will be introduced in the Asset Management application. You can select whether the 'Get Azure Connector Info' API applies to AssetView and/or CloudView in the Connector application.

Permissions required - Managers with full scope.

Sample: List (view) specific Azure Connector Id 166007

API request:

```
curl -n -u "USERNAME:PASSWORD"-H "Content-type: text/xml" -X "GET"
"https://qualysapi.qualys.com/qps/rest/3.0/get/am/azureassetdataconnec
tor/166007"
```

Create Azure Connector

Alternative API	/qps/rest/3.0/create/am/azureassetdataconnector
New or Updated APIs	Updated
Operator	POST
Deprecated API	/cloudview-api/rest/v1/azure/connectors

We will now deprecate the old CloudView API endpoint for 'Create Azure connectors' and an alternative API will be introduced in the Asset Management application. You can select whether the 'Create Azure Connector' API applies to AssetView and/or CloudView in the Connector application.

Permissions required - Managers with full scope.

Input Parameters

Parameters	Description
id	The ID of the connector that you want to create.
name	Name of the connector you want to create.
description	Description of the connector you want to create.
defaultTags	(TagSimpleQList) Tags applied to any asset discovered by the connector.
activation	(List<ActivationModule>) Assets discovered by the connector is activated for the modules specified.
authRecord	(AzureAuthRecordSimple) The Azure authentication record the connector uses to connect to Azure. When writing/updating it is looked up by the ID field.
disabled	(boolean) Whether execution of the connector is disabled (YES). If disabled, the connector does not synchronize assets.
applicationId	Unique identifier of the application you create on Azure portal.
directoryId	Unique identifier of your Azure Active Directory.
subscriptionId	Unique identifier of your Microsoft Azure subscription.

Parameters	Description
authenticationKey	The secret key generated after you provide permission to the application to access the Windows Azure Service.
connectorAppInfos	It holds the list of list of ConnectorAppInfo which includes App Name, identifiers and tag details. Connector can one or more apps from list [AI, CI, CSA]. AI-Asset Inventory, CI- Cloud Inventory, CSA- Cloud Security Assesment
runFrequency	runFrequency for a connector decides the rate at which the connector should poll the cloud provider and fetch the data. Specified in minutes.
isRemediationEnabled	A flag to enable or disable remediation for the connector.

Sample: Create a new connector

API request:

```
curl -u "USERNAME:PASSWORD" -H "Content-type: text/xml" -X "POST" --
data-binary @-
"https://qualysapi.qualys.com/qps/rest/3.0/create/am/azureassetdataconnector"
<file.xml
```

Note: file.xml contains request POST data

Request POST data(XML):

```
<ServiceRequest>
  <data>
    <AzureAssetDataConnector>
      <authRecord>
        <applicationId>33333333-3333-3333-3333-333333333333</applicationId>
<authenticationKey>02LCb8/RcN0lbGj6xcOGQPZlYG2z85aSmCxnoH01rog=</authenticationKey>
      <directoryId>22222222-2222-2222-2222-222222222222</directoryId>
      <subscriptionId>11111111-1111-1111-1111-
111111111112</subscriptionId>
    </authRecord>
    <connectorAppInfos>
      <set>
        <ConnectorAppInfoQList>
          <element>
            <set>
              <ConnectorAppInfo>
                <element>
                  <identifier>11111111-1111-1111-1111-
111111111112</identifier>
                <name>AI</name>
```

```

        <tagId>8550229</tagId>
      </element>
    </ConnectorAppInfo>
  </set>
</element>
<element>
  <set>
    <ConnectorAppInfo>
      <element>
        <identifier>11111111-1111-1111-1111-
111111111112</identifier>
        <name>CI</name>
        <tagId>8550229</tagId>
      </element>
    </ConnectorAppInfo>
  </set>
</element>
</ConnectorAppInfoQList>
</set>
</connectorAppInfos>
<defaultTags>
  <set>
    <TagSimple>
      <id>7517812</id>
    </TagSimple>
  </set>
</defaultTags>
<description>Sample Azure Connector</description>
<disabled>>false</disabled>
<isGovCloudConfigured>>false</isGovCloudConfigured>
<isRemediationEnabled>>true</isRemediationEnabled>
<name>Azure Connector test 210320220527</name>
<runFrequency>240</runFrequency>
</AzureAssetDataConnector>
</data>
</ServiceRequest>

```

Request POST data (JSON):

```

{
  "ServiceRequest": {
    "data": {
      "AzureAssetDataConnector": {
        "name": "Azure Connector test 210320220527",
        "description": "Sample Azure Connector",
        "defaultTags": {
          "set": {
            "TagSimple": {
              "id": 7517812
            }
          }
        }
      }
    }
  }
}

```


Update Azure Connector

API	/qps/rest/3.0/update/am/azureassetdataconnect or /qps/rest/3.0/update/am/azureassetdataconnect or/<id>
New or Updated APIs	Updated
Operator	POST
Deprecated API	/cloudview- api/rest/v1/azure/connectors/{connectorId}

We will now deprecate the API endpoint to update writable fields and collections of the Azure connector from CloudView and introduce an alternative API to the Asset Management application.

The update API can also be used to enable/disable your Azure connector.

Permissions required - Managers with full scope.

Input Parameters

Parameters	Description
name	The ID of the connector that you want to update.
description	Name of the connector you want to update.
defaultTags	(TagSimpleQList) Tags applied to any asset discovered by the connector.
activation	(List<ActivationModule>) Assets discovered by the connector is activated for the modules specified.
authRecord	(AzureAuthRecordSimple) The Azure authentication record the connector uses to connect to Azure. When writing/updating it is looked up by the ID field.
disabled	(boolean) Whether execution of the connector is disabled (YES). If disabled, the connector does not synchronize assets.
runFrequency	runFrequency for a connector decides the rate at which the connector should poll the cloud provider and fetch the data specified in minutes.
isRemediationEnabled	A flag to enable or disable remediation for the connector.
connectorAppInfos	It holds the list of list of ConnectorAppInfo which includes App Name, identifiers and tag details. Connector can one or more apps from list [AI, CI, CSA]. AI-Asset Inventory, CI- Cloud Inventory, CSA- Cloud Security Assesment

Sample: Update Azure connector name

API request:

```
curl -u "USERNAME:PASSWORD" -H "Content-type: text/xml" -X "POST" --  
data-binary @-  
"https://qualysapi.qualys.com/qps/rest/3.0/update/am/azureassetdataconnector/123  
45" < file.xml
```

Note: file.xml contains request POST data

Request POST data(XML):

```
<?xml version="1.0" encoding="UTF-8"?>  
<ServiceRequest>  
  <data>  
    <AzureAssetDataConnector>  
      <id>12345</id>  
      <name>Sample Azure Connector</name>  
    </AzureAssetDataConnector>  
  </data>  
</ServiceRequest>
```

Request POST data(JSON):

```
{  
  "ServiceRequest": {  
    "data": {  
      "AzureAssetDataConnector": {  
        "id": 12345,  
        "name": "Sample Azure Connector"  
      }  
    }  
  }  
}
```

Search Azure Connector

API	/qps/rest/3.0/search/am/azureassetdataconnector
New or Updated APIs	Updated
Operator	POST
Deprecated API	/cloudview-api/rest/v1/azure/connectors/{connectorId}

We will now deprecate the API endpoint to return a list of Azure connectors that match the provided criteria from the CloudView application and introduce an alternative in the Asset Management application.

Limit your results -Narrow down your search results using the parameters listed below.

Pagination - A maximum of 100 instances are returned by default. To customize this specify a "preferences" tag in the POST body of your request.

Input Parameters

Parameter	Description
id	The ID of the connector that you want to search.
name	Name is the name for the connector you want to search.
description	Description of the connector you want to search.
lastSync	Last sync date of the connector
connectorState	State of the connector. States include PENDING, SUCCESS, ERROR, QUEUED, RUNNING, PROCESSING, FINISHED_SUCCESS, FINISHED_ERRORS, DISABLED, INCOMPLETE.
Type	Type of connector- Azure
authrecord.applicationId	Unique identifier of the application you create on Azure portal.
authrecord.directoryId	Unique identifier of your Azure Active Directory.
activation	Activation of Qualys modules. Includes VM, PC, SCA, CERTVIEW
authrecord.subscriptionId	Unique identifier of your Microsoft Azure subscription.
appCapability.name	Connector application capability name
appCapability.tag.name	Tag name associates with Connector identifier.
disabled	(boolean) Whether execution of the connector is disabled (YES). If disabled, the connector does not synchronize assets.

Parameter	Description
defaultTags.name	The name of a tag in the defaultTags collection.
defaultTag	(Integer) The ID of a tag in the defaultTags collection.
lastError	Last error date of the connector.

Sample: Search Azure connector name

API request:

```
curl -u "USERNAME:PASSWORD" -H "content-type: text/xml" -X "POST" --  
data-binary @-  
"https://qualysapi.qualys.com/qps/rest/3.0/search/am/azureassetdatacon-  
nector" <file.xml
```

Note: file.xml contains request POST data

Request POST data(XML):

```
<ServiceRequest>  
  <filters>  
    <Criteria field="name" operator="EQUALS">Azure Connector Via  
API</Criteria>  
    <Criteria field="description" operator="EQUALS">Sample Azure Connector  
API</Criteria>  
    <Criteria field="lastSync" operator="EQUALS">2022-04-  
25T14:56:59Z</Criteria>  
    <Criteria field="type" operator="EQUALS">AZURE</Criteria>  
    <Criteria field="appCapability.name" operator="EQUALS">AI</Criteria>  
  </filters>  
</ServiceRequest>
```

Request POST data(JSON):

```
{  
  "ServiceRequest": {  
    "filters": {  
      "Criteria": [  
        {  
          "field": "id",  
          "operator": "EQUALS",  
          "value": "1700209"  
        },  
        {  
          "field": "name",  
          "operator": "EQUALS",  
          "value": "Azure Connector Via API"  
        },  
        {  
          "field": "description",  
          "operator": "EQUALS",  
          "value": "Sample Azure Connector Via API"  
        }  
      ]  
    }  
  }  
}
```

```
    "field": "description",
    "operator": "EQUALS",
    "value": "Sample Azure Connector API"
  },
  {
    "field": "lastSync",
    "operator": "EQUALS",
    "value": "2022-05-10T17:47:59Z"
  },
  {
    "field": "connectorState",
    "operator": "EQUALS",
    "value": "FINISHED_SUCCESS"
  },
  {
    "field": "type",
    "operator": "EQUALS",
    "value": "AZURE"
  },
  {
    "field": "activation",
    "operator": "EQUALS",
    "value": "VM"
  },
  {
    "field": "authRecord.applicationId",
    "operator": "EQUALS",
    "value": "f076c321-694d-4929-ae0b-d2bd14d1a4d7"
  },
  {
    "field": "authRecord.directoryId",
    "operator": "EQUALS",
    "value": "ff4e2413-65ab-4dc2-9e5b-1ea02d3d94eb"
  },
  {
    "field": "authRecord.subscriptionId",
    "operator": "EQUALS",
    "value": "9de9e0a7-4f67-4812-917d-2246853844e1"
  },
  {
    "field": "appCapability.name",
    "operator": "EQUALS",
    "value": "CSA"
  },
  {
    "field": "appCapability.tag.name",
    "operator": "EQUALS",
    "value": "QATag"
  },
}
```

```

    {
      "field": "disabled",
      "operator": "EQUALS",
      "value": "false"
    },
    {
      "field": "defaultTags.name",
      "operator": "EQUALS",
      "value": "QATag"
    },
    {
      "field": "defaultTags",
      "operator": "EQUALS",
      "value": "123442387"
    },
    {
      "field": "lastError",
      "operator": "EQUALS",
      "value": "2022-04-28T19:05:04Z"
    }
  ]
}
}
}

```

Get All Errors of Azure Connector

API	/qps/rest/3.0/search/am/assetdataconnectorerrors
New or Updated APIs	Updated
Operator	GET
Deprecated API	/cloudview-api/rest/v1/azure/connectors/{connectorId}

We will now deprecate the API endpoint to retrieve all errors of the Azure connector from the CloudView application and introduce an alternative API in the Asset Management application.

Permissions required - Managers with full scope.

Sample: Get all errors of connector

API request:

```

curl -u "USERNAME:PASSWORD" -H "Content-type: application/json" -H "Accept: application/json" -X "POST" --data-binary @-
"https://qualysapi.qualys.com/qps/rest/3.0/search/am/assetdataconnectorerrors" <

```

file.xml

Note: file.xml contains request POST data

Request POST data(XML):

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceRequest>
  <filters>
    <Criteria field="id" operator="EQUALS">167405</Criteria>
  </filters>
</ServiceRequest>
```

Request POST data(JSON):

```
{
  "ServiceRequest": {
    "filters": {
      "Criteria": [
        {
          "field": "id",
          "operator": "EQUALS",
          "value": "167405"
        }
      ]
    }
  }
}
```

Delete Azure Connector

API	/qps/rest/3.0/delete/am/azureassetdataconnector /qps/rest/3.0/delete/am/azureassetdataconnector/<id>
New or Updated APIs	Updated
Operator	DELETE
Deprecated API	/cloudview-api/rest/v1/azure/connectors

We will now deprecate the API endpoint to delete one or more Azure connectors from the CloudView application and introduce an alternative API in the Asset Management application.

Permissions required - Managers with full scope.

Sample: Delete Azure connector name

API request:

```
curl -n -u "USERNAME:PASSWORD"  
"https://qualysapi.qualys.com/qps/rest/3.0/delete/am/azureassetdatacon  
nector/289201"
```

Run Azure Connector

API	/qps/rest/3.0/run/am/azureassetdataconnector /qps/rest/3.0/run/am/azureassetdataconnector/< id>
New or Updated APIs	Updated
Operator	POST
Deprecated API	/cloudview-api/rest/v1/azure/connectors/run

We will now deprecate the API endpoint to run one or more Azure connectors from the CloudView application and introduce an alternative API in the Asset Management application. The connectors may be run immediately or queued to run when there is capacity. The response will almost always indicate that the connector is pending. Use GET calls to monitor the status of connectors.

Permissions required - Managers with full scope.

API request

```
curl -n -u "USERNAME:PASSWORD"  
"https://qualysapi.qualys.com/qps/rest/3.0/run/am/azureassetdataconnector/<i  
d>"
```

Deprecating GCP APIs

Listed below are the CloudView connectors to be deprecated for GCP. Additionally, the respective alternative APIs and their sample requests are also mentioned.

Name of Deprecated API	Deprecated API	Name of Alternative API	Alternative API
Create GCP Connector	/cloudview-api/rest/v1/gcp/connectors	Create GCP Connector	/qps/rest/3.0/create/am/gcpassetdataconnector
Update GCP Connector	/cloudview-api/rest/v1/gcp/connectors/{connectorId}	Update GCP Connector	/qps/rest/3.0/update/am/gcpassetdataconnector
Enable GCP connectors	/cloudview-api/rest/v1/aws/connectors/enable		/qps/rest/3.0/update/am/gcpassetdataconnector/<id>
Disable GCP connectors	/cloudview-api/rest/v1/aws/connectors/disable		/qps/rest/3.0/update/am/gcpassetdataconnector/<id>
Delete GCP Connector	/cloudview-api/rest/v1/gcp/connectors	Delete GCP Connector	/qps/rest/3.0/delete/am/awssassetdataconnector /qps/rest/3.0/delete/am/awssassetdataconnector/<id>
Run GCP Connector	/cloudview-api/rest/v1/gcp/connectors/run	Run GCP Connector	/qps/rest/3.0/run/am/gcpassetdataconnector /qps/rest/3.0/run/am/gcpassetdataconnector/<id>

Existing and Alternate GCP APIs

You can fetch information for connectors in CloudView application using the CloudView GET APIs. Once you merge the connectors with the Connector application, then you can use either of the following APIs:

- **Existing CloudView APIs:** Use to fetch information on CloudView connectors before the connectors are merged with the Connector application. Once the connectors are merged with the Connector application, the user can use Connector UUID in CloudView APIs to fetch cloud inventory.

- **New Asset Management and Tagging APIs:** Use to fetch information on connectors after the connectors are merged with the Connector application. Use Connector ID to fetch asset inventory information..

Connectors in CloudView App		Connectors in Connector App	
Name of Existing APIs	API Path	Name of New APIs	Path of the New API
Get list of GCP connectors	/cloudview-api/rest/v1/gcp/connectors	Get GCP Connector Info	/qps/rest/3.0/get/am/gcpassetdataconnector/<id>
Get the details of connectors	/cloudview-api/rest/v1/gcp/connectors	Search GCP Connector	/qps/rest/3.0/search/am/gcpassetdataconnector
Get all errors of GCP connector	/cloudview-api/rest/v1/gcp/connectors/{connectorId}	Get All Errors of GCP Connector	/qps/rest/3.0/search/am/assetdataconnectorerrors

Get GCP Connector Info

API	/qps/rest/3.0/get/am/gcpassetdataconnector/<id>
New or Updated APIs	Updated
Operator	GET
Deprecated API	/cloudview-api/rest/v1/gcp/connectors

We will now deprecate the old CloudView API endpoint for 'Get GCP connector Info' and an alternative API will be introduced in the Asset Management application. You can select whether the 'Get GCP Connector Info' API applies to AssetView and/or CloudView in the Connector application.

Permissions required - Managers with full scope.

Sample: List specific GCP Connector Id 176001

```
curl -n -u "USERNAME:PASSWORD"-H "Content-type: text/xml" -X "POST"
"https://qualysapi.qualys.com/qps/rest/3.0/get/am/gcpassetdataconnector/17601"
```

Create GCP Connector

API	/qps/rest/3.0/create/am/gcpassetdataconnector
New or Updated APIs	New
Operator	POST
Deprecated API	/cloudview-api/rest/v1/gcp/connectors

We will now deprecate the old CloudView API endpoint for 'create GCP connectors' and an alternative API will be introduced in the Asset Management applicaton. You can select whether the 'Create GCP Connector' API applies to AssetView and/or CloudView in the Connector application.

Permissions required - Managers with full scope.

Input Parameters

Parameters	Description
id	The ID of the connector that you want to create.
name	Name ofthe connector you want to create.
description	Description of the connector you want to create.
type	Type of connector - GCP.
authRecord	(GCPAuthRecordSimple) The GCP authentication record the connector uses to connect to GCP. When writing/updating it is looked up by the ID field.
allRegions	(boolean) If true, the end point's collection is ignored an all GCP regions scanned.
disabled	(boolean) Whether execution of the connector is disabled (YES). If disabled, the connector does not synchronize assets.
runFrequency	runFrequency for a connector decides the rate at which the connector should poll the cloud provider and fetch the data specified in minutes.

Parameters	Description
isRemediationEnabled	A flag to enable or disable remediation for the connector.
connectorAppInfos	It holds the list of list of ConnectorAppInfo which includes App Name, identifiers and tag details. Connector can one or more apps from list [AI, CI, CSA]. AI-Asset Inventory, CI- Cloud Inventory, CSA- Cloud Security Assesment.

Sample: Create a new GCP connector

API request:

```
curl -u "USERNAME:PASSWORD" -H "Content-type: text/xml" -X "POST" --data-binary @-"https://qualysapi.qualys.com/qps/rest/3.0/create/am/gcpassetdataconnector" <file.xml
```

Note: file.xml contains request POST data

Request POST data (XML):

```
<ServiceRequest>
  <data>
    <GcpAssetDataConnector>
      <authRecord>

<auth_provider_x509_cert_url>https://www.googleapis.com/oauth2/v1/certs</auth_provider_x509_cert_url>
      <auth_uri>https://accounts.google.com/o/oauth2/auth</auth_uri>
      <client_email>hk-conn-new@my-project-1513669048551.iam.gserviceaccount.com</client_email>
      <client_id>106554609655473423940</client_id>

<client_x509_cert_url>https://www.googleapis.com/robot/v1/metadata/x509/hk-conn-new%40my-project-1513669048551.iam.gserviceaccount.com</client_x509_cert_url>
      <private_key>-----BEGIN PRIVATE KEY-----
MIIEvwIBADANBgkqhkiG9w0BAQEFAASCBBkkgwSlAgEAAoIBAQC75ulMi3S68tFe
EUmf+J7qDvoYdXkpptsCLc+
-----END PRIVATE KEY-----
</private_key>

<private_key_id>83ccb924f9d4c42d841694648721db21c6b79977</private_key_id>
      <projectId>my-project-111111111111</projectId>
      <token_uri>https://oauth2.googleapis.com/token</token_uri>
      <type>service_account</type>
```

```

</authRecord>
<connectorAppInfos>
  <set>
    <ConnectorAppInfoQList>
      <set>
        <ConnectorAppInfo>
          <identifier>my-project-111111111111</identifier>
          <name>CI</name>
          <tagId>8550229</tagId>
        </ConnectorAppInfo>
      </set>
    </ConnectorAppInfoQList>
  </set>
</connectorAppInfos>
<description>Sample GCP Connector description</description>
<disabled>>false</disabled>
<isGovCloudConfigured>>false</isGovCloudConfigured>
<name>Sample GCP Connector</name>
</GcpAssetDataConnector>
</data>
</ServiceRequest>

```

Request POST data(JSON):

```

{
  "ServiceRequest": {
    "_data": {
      "GcpAssetDataConnector": {
        "name": "Sample GCP Connector",
        "description": "Sample GCP Connector description",
        "disabled": false,
        "isGovCloudConfigured": false,
        "authRecord": {
          "projectId": "my-project-111111111111",
          "auth_provider_x509_cert_url":
"https://www.googleapis.com/oauth2/v1/certs",
          "auth_uri": "https://accounts.google.com/o/oauth2/auth",
          "client_email": "hk-conn-new@my-project-
1513669048551.iam.gserviceaccount.com",
          "client_id": "106554609655473423940",
          "client_x509_cert_url":
"https://www.googleapis.com/robot/v1/metadata/x509/hk-conn-new%40my-project-
1513669048551.iam.gserviceaccount.com",
          "private_key": "-----BEGIN PRIVATE KEY-----
\nMIIEVwIBADANBgkqhkiG9w0BAQEFAASCBBKkwggSlAgEAAoIBAQC75u1Mi3S68tFe\nEUmf+J7qDvoY
dXkpptsCLc+ \n-----END PRIVATE KEY-----\n",
          "private_key_id": "83ccb924f9d4c42d841694648721db21c6b79977",
          "token_uri": "https://oauth2.googleapis.com/token",
          "type": "service_account"
        }
      }
    }
  }
}

```

```

  },
  "connectorAppInfos": {
    "set": {
      "ConnectorAppInfoQList": {
        "set": {
          "ConnectorAppInfo": {
            "name": "CI",
            "identifier": "my-project-1111111111111",
            "tagId": 8550229
          }
        }
      }
    }
  }
}

```

Update GCP Connector

API	/qps/rest/3.0/update/am/gcpassetdataconnector /qps/rest/3.0/update/am/gcpassetdataconnector/ <id>
New or Updated APIs	Updated
Operator	POST
Deprecated API	/cloudview- api/rest/v1/gcp/connectors/{connectorId}

We will now deprecate the API endpoint to update writable fields and collections of the GCP connector from CloudView and introduce an alternative API to the Asset Management application.

The update API can also be used to enable/disable your GCP connector.

Permissions required - Managers with full scope.

Input Parameters

Parameters	Description
name	The ID of the connector that you want to update.
description	Name of the connector you want to update.
authRecord	(AzureAuthRecordSimple) The GCP authentication record the connector uses to connect to GCP. When writing/updating it is looked up by the ID field.

Parameters	Description
disabled	(boolean) Whether execution of the connector is disabled (YES). If disabled the connector does not synchronize assets.
runFrequency	runFrequency for a connector decides the rate at which the connector should poll the cloud provider and fetch the data specified in minutes.
isRemediationEnabled	A flag to enable or disable remediation for the connector.
connectorAppInfos	It holds the list of list of ConnectorAppInfo which includes App Name, identifiers and tag details. Connector can one or more apps from list [AI, CI, CSA]. AI-Asset Inventory, CI- Cloud Inventory, CSA- Cloud Security Assesment

Sample: Update GCP connector name

API request:

```
curl -u "USERNAME:PASSWORD" -H "Content-type: text/xml" -X "POST" --
data-binary @-
"https://qualysapi.qualys.com/qps/rest/3.0/update/am/gcpassetdatacon
nector/178202" < file.xml
```

Note: file.xml contains request POST data

Request POST data(XML):

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceRequest>
  <data>
    <GcpAssetDataConnector>
      <id>178202</id>
      <name>Updated GCP Connector Name</name>
    </GcpAssetDataConnector>
  </data>
</ServiceRequest>
```

Request POST data(JSON):

```
{
  "ServiceRequest": {
    "data": {
      "GcpAssetDataConnector": {
        "id": 178202,
        "name": "Updated GCP Connector Name"
      }
    }
  }
}
```

```
}  
}
```

Search GCP Connector

API	/qps/rest/3.0/search/am/gcpassetdataconnector
New or Updated APIs	Updated
Operator	POST
Deprecated API	/cloudview-api/rest/v1/gcp/connectors

We will now deprecate the API endpoint to return a list of GCP connectors that match the provided criteria from the CloudView application and introduce an alternative in the Asset Management application.

Limit your results- Narrow down your search results using the parameters listed below.

Pagination - A maximum of 100 instances are returned by default. To customize this specify a "preferences" tag in the POST body of your request.

Input Parameters

Parameter	Description
id	The ID of the connector that you want to search.
name	Name is the name for the connector you want to search.
description	Description of the connector you want to search.
lastSync	Last sync date of the connector.
Type	Type of connector - GCP.
authRecord.projectId (Text)	Unique identifier of project in Google cloud.

Sample: Search GCP Connector by project ID

API request:

```
curl -u "USERNAME:PASSWORD" -H "Content-type: text/xml" -X "POST" --  
data-binary @-  
"https://qualysapi.qualys.com/qps/rest/3.0/search/am/gcpassetdatacon  
nector/178202" < file.xml
```

Note: file.xml contains request POST data

Request POST data(XML):

```
<?xml version="1.0" encoding="UTF-8"?>  
<ServiceRequest>
```

```
<filters>
  <Criteria field="authRecord.projectId" operator="EQUALS">my-project-
11111111111111</Criteria>
</filters>
</ServiceRequest>
```

Request POST data(JSON):

```
{
  "ServiceRequest": {
    "filters": {
      "Criteria": [
        {
          "field": " authRecord.projectId ",
          "operator": "EQUALS",
          "name": "my-project-11111111111111"
        }
      ]
    }
  }
}
```

Get All Errors of GCP Connector

API	/qps/rest/3.0/search/am/assetdataconnectorerrors
New or Updated APIs	Updated
Operator	GET
Deprecated API	/cloudview-api/rest/v1/gcp/connectors/{connectorId}

We will now deprecate the API endpoint to retrieve all errors of the GCP connector from the CloudView application and introduce an alternative API in the Asset Management application.

Permissions required - Managers with full scope.

Sample: Get all errors of connector

API request:

```
curl -u "USERNAME:PASSWORD" -H "Content-type: application/json" -H "Accept: application/json" -X "POST" --data-binary @- "https://qualysapi.qualys.com/qps/rest/3.0/search/am/assetdataconnectorerrors" < file.xml
```

Note: file.xml contains request POST data

Request POST data(XML):

```
<?xml version="1.0" encoding="UTF-8"?>
<ServiceRequest>
  <filters>
    <Criteria field="id" operator="EQUALS">167405</Criteria>
  </filters>
</ServiceRequest>
```

Request POST data(JSON):

```
{
  "ServiceRequest": {
    "filters": {
      "Criteria": [
        {
          "field": "id",
          "operator": "EQUALS",
          "value": "167405"
        }
      ]
    }
  }
}
```

Delete GCP Connector

API	/qps/rest/3.0/delete/am/gcpassetdataconnector /qps/rest/3.0/delete/am/gcpassetdataconnector/ <id>
New or Updated APIs	Updated
Operator	DELETE
Deprecated API	/cloudview-api/rest/v1/gcp/connectors

We will now deprecate the API endpoint to delete one or more GCP connectors from the CloudView application and introduce an alternative API in the Asset Management application.

Permissions required - Managers with full scope

Sample: Delete a GCP connector

API request:

```
curl -n -u "USERNAME:PASSWORD"
"https://qualysapi.qualys.com/qps/rest/3.0/delete/am/gcpassetdatacon
nector/289201"
```

Run GCP Connector

API	/qps/rest/3.0/run/am/gcpassetdataconnector /qps/rest/3.0/run/am/gcpassetdataconnector/<id>
New or Updated APIs	Updated
Operator	POST
Deprecated API	/cloudview-api/rest/v1/gcp/connectors/run

We will now deprecate the API endpoint to run one or more GCP connectors from the CloudView application and introduce an alternative API in the Asset Management application. The connectors may be run immediately or queued to run when there is capacity. The response will almost always indicate that the connector is pending. Use GET calls to monitor the status of connectors.

Permissions required - Managers with full scope.

API request

```
curl -n -u "USERNAME:PASSWORD"  
"https://qualysapi.qualys.com/qps/rest/3.0/run/am/gcpassetdataconnector/<id>"
```

Deprecating Groups APIs

We are deprecating the API for CloudView groups as the new version of CloudView is introducing tags (instead of groups) for connectors. The deprecation of groups implies that all the existing CloudView groups that are assigned to CloudView connectors will be automatically migrated to Qualys tags. The sub-users, who had connector group assignment, will be assigned the equivalent tag during the migration process. There is no impact to Manager users.

The “Assign Tag” option is introduced instead of “Assign Group” for Connector Actions. The tags allocated to a connector will be displayed in the TAGS column.

The following APIs for connector groups and user access management are being deprecated.

Connector Groups Management

List the Groups

Deprecated API	/cloudview-api/rest/v1/groups
Operator	GET

Create a Group

Deprecated API	/cloudview-api/rest/v1/groups
Operator	POST

Get the Group

Deprecated API	/cloudview-api/rest/v1/groups/{groupUuid}
Operator	GET

Update the Groups

Deprecated API	/cloudview-api/rest/v1/groups/connectors
Operator	POST

User Access Management

Update Groups Scope for Users

Deprecated API	/cloudview-api/rest/v1/users/{userName}/groupScope
Operator	POST

Get the User Scope

Deprecated API	/cloudview-api/rest/v1/users/{userName}/scope
Operator	GET

Update Connectors Scope for Users

Deprecated API	/cloudview-api/rest/v1/users/{userName}/scope
Operator	POST

Build Time On-Screen Report APIs

CloudView will not provide an option for users to generate On-Screen reports for Build Time control evaluation. We have now added/introduced a new parameter called "Execution Type" with two values, 'BUILD_TIME' and 'RUN_TIME' for users to choose among when generating reports.

[Create an On-Screen Report](#)

[Update an On-Screen Report](#)

Create an On-Screen Report

API	/cloudview-api/rest/v1/reports
New or Updated APIs	Updated
Operator	POST

Sample: For On Screen Build Time Create Policy Report

API request:

```
curl -X POST "https://<QualysURL>/cloudview-  
api/rest/v1/reports?executionType=BUILD_TIME"  
-H "accept: */*"  
-H "Authorization: Basic cWF0ZXNfeWQ6UUF0ZW1wQDEyMw=="  
-H "Content-Type: application/json" -d
```

Request POST data:

```
{  
  "cloudType": "GCP",  
  "connectorIds": [  
    ""  
  ],  
  "description": "GCP_OnScreenReportBuildTime",  
  "format": "ON-SCREEN",  
  "mandateId": "",  
  "policies": [  
    {  
      "cloudType": "GCP",  
      "policyId": "ad0e2b90-2593-11ec-862b-d9b78b551a58"  
    }  
  ],  
  "tagIds": [  
    0  
  ],  
  "title": "BT_OnScreenReport",  
  "type": "POLICY"
```

```
}
```

Response:

```
{  
  "title": "BT_OnScreenReport",  
  "type": "POLICY",  
  "format": "ON-SCREEN",  
  "accounts": [],  
  "description": "GCP_OnScreenReportBuildTime",  
  "policies": [  
    {  
      "policyId": "ad0e2b90-2593-11ec-862b-d9b78b551a58",  
      "cloudType": "GCP"  
    }  
  ],  
  "createdOn": "2022-04-22T05:14:52+0000",  
  "cloudType": "GCP",  
  "qualysTags": [],  
  "executionType": "BUILD_TIME",  
  "reportId": "23e7f940-clfb-11ec-8ead-4769752faefd"  
}
```

Update an On-Screen Report

API	/cloudview-api/rest/v1/reports/{reportId}
New or Updated APIs	Updated
Operator	PATCH

Sample: For On Screen Build Time Update Mandate Report

API request:

```
curl -X PATCH "https://<QualysURL>/cloudview-api/rest/v1/reports/aaled570-ba20-11ec-8ead-4769752faefd?executionType=BUILD_TIME"  
-H "accept: */*"  
-H "Authorization: Basic cWF0ZXNfeWQ6UUF0ZW1wQDEyMw=="  
-H "Content-Type: application/json" -d
```

Request POST data:

```
{  
  "cloudType": "AWS",  
  "connectorIds": [  
    ""  
  ],  
  "description": "BT_AWS3",  
  "format": "ON-SCREEN",
```

```
"mandateId": "5364",
"policies": [
  {
    "cloudType": "AWS",
    "policyId": "3bbc9e40-2593-11ec-a3e3-5bc1c4a076c7"
  }
],
"tagIds": [
  0
],
"title": "BT_AWS3_4",
"type": "MANDATE"
}
```

Response:

```
{
  "title": "BT_AWS3_4",
  "type": "MANDATE",
  "format": "ON-SCREEN",
  "accounts": [],
  "description": "BT_AWS3",
  "policies": [
    {
      "policyId": "3bbc9e40-2593-11ec-a3e3-5bc1c4a076c7",
      "cloudType": "AWS"
    }
  ],
  "mandateId": "5364",
  "createdOn": "2022-04-22T05:30:15+0000",
  "cloudType": "AWS",
  "qualysTags": [],
  "executionType": "BUILD_TIME",
  "reportId": "aaled570-ba20-11ec-8ead-4769752faefd"
}
```